

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 May 2004 (06.05.2004)

PCT

(10) International Publication Number  
**WO 2004/039104 A1**

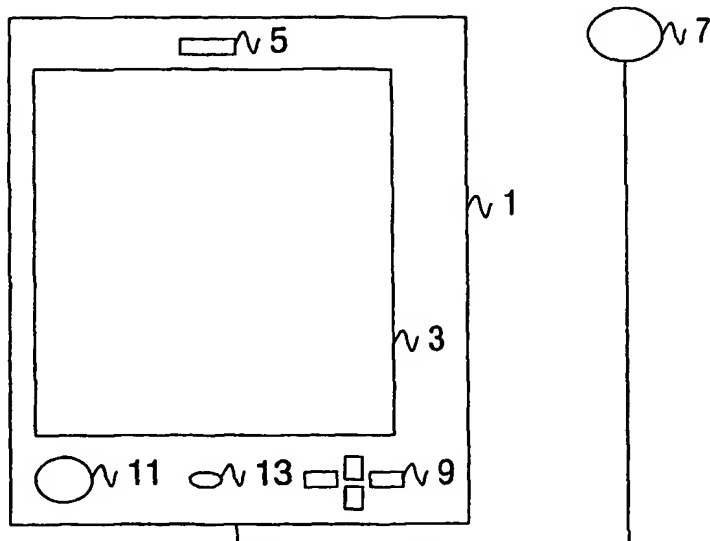
- (51) International Patent Classification<sup>7</sup>: **H04Q 7/20**, H04M 1/725
- (21) International Application Number: PCT/IB2003/004602
- (22) International Filing Date: 17 October 2003 (17.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
02257294.5 22 October 2002 (22.10.2002) EP
- (71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **DE WIT, Jiska, M.** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **MAMA, Kyriakos** [GB/GB]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **WRIGHT, Jeremy, J.** [GB/GB]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,

[Continued on next page]

(54) Title: SYSTEM FOR SHARING HUMAN PERCEPTUAL SIGNALS BETWEEN ELECTRONIC DEVICES



(57) Abstract: The consumer electronics device (1) for making content available consists of an output means (3,5,7), a control unit (23), and a transmitter (21). The control unit (23) is able to create a representation of a human perceptual signal being generated by the output means (3,5,7) and instruct the transmitter (21) to broadcast the representation. The electronics device (1) for accessing new content consists of an output means (3,5,7), a receiver (25), and a control unit (23). The control unit (23) uses the receiver (25) to receive representations of multiple further human perceptual signals and instructs the output means (3,5,7) to generate a human perceptual signal from these multiple representations. The method of making content available consists of creating (41) a representation (51) of a human perceptual signal (49) generated by a consumer electronic device and broadcasting (43) the representation (51). The method of accessing new content consists of receiving (45) representations (51,57,58) of multiple further human perceptual signals (49)

and generating (47) a human perceptual signal (59) from these multiple representations (51,57,58). The system consists of at least two components (61,63) executing the method of making content available and at least one component (65) executing the method of accessing new content. The computer program product enables a programmable device to perform the method of accessing new content.



KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

## INTERNATIONAL SEARCH REPORT

PCT/IB 03/04602

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04Q7/20 H04M1/725

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04Q H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 25107 A (WINROTH MATS OLOF ;FRANK ROBERT (SE); TELIA AB (SE)) 20 May 1999 (1999-05-20) page 2, line 10 -page 7, line 34 ---	1-22
X	WO 01 28221 A (MARTIN PETER ;SIEMENS AG (DE)) 19 April 2001 (2001-04-19) page 1, line 29 -page 5, line 33 figure 1 abstract ---	1-22
X	WO 00 36857 A (RADIOLINJA AB OY) 22 June 2000 (2000-06-22) page 2, line 30 -page 3, line 22 figure 1 abstract -----	1-22

☐

Further documents are listed in the continuation of box C.

☒

Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

28 January 2004

Date of mailing of the international search report

11/02/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Pinilla-Ariza, D

## INTERNATIONAL SEARCH REPORT

PCT/IB 03/04602

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9925107	A	20-05-1999	SE	518180 C2	03-09-2002
			EE	200000220 A	16-04-2001
			EP	1025687 A2	09-08-2000
			NO	20002144 A	13-06-2000
			SE	9704058 A	07-05-1999
			WO	9925107 A2	20-05-1999
<hr/>					
WO 0128221	A	19-04-2001	CN	1379950 T	13-11-2002
			WO	0128221 A1	19-04-2001
			EP	1221254 A1	10-07-2002
<hr/>					
WO 0036857	A	22-06-2000	FI	982714 A	16-06-2000
			EE	200100312 A	15-08-2002
			EP	1142364 A2	10-10-2001
			WO	0036857 A2	22-06-2000
<hr/>					